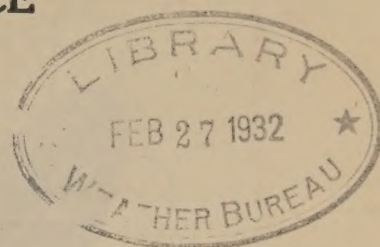


MONTHLY WEATHER MAP

METEOROLOGICAL SERVICE

DOMINION OF CANADA

JANUARY 1932



TEMPERATURE

Over by far the greater portion of the Dominion, January, 1932, was considerably warmer than a normal January. The greatest excess over normal temperatures occurred in Ontario and western Quebec, where the excess was generally from 10 to 16 degrees as far north as the Albany River. In eastern Saskatchewan, southern Manitoba and a large part of western Quebec the excess was 10 degrees or more. In the far northwest from the Peace River north to Coronation Gulf and east towards Hudson Bay the excess was 6 to 8 degrees. In Alberta south of the Athabaska River and in southern British Columbia and along the Pacific coast the mean temperatures were generally either normal or slightly lower. At the mouth of the Mackenzie and in the northwestern Yukon temperatures were 1 to 4 degrees below normal. On the Atlantic coast from the Hudson Strait through the Labrador to the Atlantic Provinces there was an excess of from 2 to 10 degrees.

PRECIPITATION

In the extreme southern districts of Vancouver Island precipitation was less than 10 per cent. below normal but Shawnigan Lake and Nanaimo reported deficiencies of 20 and 45 per cent. respectively. Along the Lower Fraser there was an excess of 10 to 25 per cent. In the southern interior valleys there was a general deficiency of 10 to 70 per cent. although Penticton reported a large excess. In the Upper Fraser region, Quesnel and Prince George reported deficiencies of 10 and 30 per cent. respectively. On the outer coast Prince Rupert had an excess of less than 20 per cent. Sufficient snow has fallen on the upper levels in the Okanagan Valley to ensure water for irrigation next summer.

In the Peace River country of Alberta there was an excess of slightly more than 10 per cent. In the northern grain districts of Alberta there was a deficiency of 20 per cent. and in the southern districts of 25 per cent. In the mountain valleys the deficiency was 20 per cent.

In the northern and eastern grain districts of Saskatchewan there was an excess of 15 to 20 per cent. while in the southern and central districts the excess was generally less than 10 per cent.

Except in some localities of the extreme southeast, Manitoba had generally an excess of 25 per cent. over normal precipitation.

In eastern Ontario the excess was generally about 55 per cent. and in southwestern Ontario 65 per cent. In the Georgian Bay counties and in the eastern portion of northern Ontario the excess was generally less than 15 per cent. In northwestern Ontario there was an excess of approximately 55 per cent.

In Quebec along the middle St. Lawrence and in the extreme south the excess over normal precipitation was approximately 30 per cent. and in the Laurentian region including northwestern Quebec there was an excess between 15 and 20 per cent. In Lake St. John region as far west as Lake Kempt the excess was between 40 and 45 per cent. Along the lower St. Lawrence in the Gaspé Peninsula and the north shore of the Gulf there was a deficiency generally less than 20 per cent.

In northern New Brunswick there was a deficiency of about 20 per cent. while in southern New Brunswick there was an excess of 20 per cent. At a few points in the extreme northwest there was, however, a fairly large excess.

In Nova Scotia except Cape Breton Island there was an excess of about 50 per cent. while in Cape Breton Island there was an excess of approximately 50 per cent.

A. J. CONNOR

SPECIAL REPORTS

NOTE—Column H is Highest Temperature; Column L is Lowest Temperature; Column P is Precipitation in inches; Column I denotes total of bright sunshine in hours during the month; Column Sg denotes depth of snow on ground in inches; where given.

BRITISH COLUMBIA

STATION	H	L	P	I	STATION	H	L	P	I	STATION	H	L	P	I
Victoria.....	50°	16°	4.3	78	Vancouver.....	48°	15°	9.2	65	Salmon Arm.....	42°	-6°	1.9	46
Sooke.....	50°	15°	8.0		New Westminster.	50°	19°	9.1		Kamloops.....	..	..	0.2	
Shawnigan Lake..	52°	17°	5.4		White Rock.....	49°	13°	4.9		Kaslo.....	42°	-2°	3.1	
Duncan.....	54°	19°	2.8		Agassiz.....	50°	6°	9.4	38	Glacier.....	30°	-18°	7.8	
Nanaimo.....	47°	19°	3.4	60	Hedley.....	40°	-15°	0.3		Quesnel.....	39°	-34°	1.2	
Estevan Point....	..	..	11.5		Penticton.....	46°	2°	2.4		Prince George....	..	..	1.5	77
Prince Rupert....	..	..	11.2	33	Vernon.....	42°	-10°	1.6	52					

ALBERTA

STATION	H	L	P	I	Sg	STATION	H	L	P	I	Sg
<i>Peace River</i>						Macleod.....	49°	-25°	0.4		
Grouard.....	40°	-53°	1.5			Lethbridge.....	49°	-27°	0.8		
High Prairie.....	43°	-53°	0.5			High River.....	46°	-36°	1.1		
Peace Riv. Crossing	47°	-50°	1.8			Cardston.....	46°	-25°	0.9		
Beaver Lodge.....	42°	-42°	0.8	90		Winnifred.....	..	..	0.4		
Fairview.....	42°	-44°	2.3	64		Expanse Coulee...	45°	-26°	0.2		
<i>Northern</i>						Jenner.....	48°	-53°	1.0		
Edmonton.....	44°	-42°	0.6	82		Craigmyle.....	..	..	0.4		
Calmar.....	49°	-48°	0.2			Seven Persons....	..	..	0.2		
Perbeck.....	45°	-33°	0.2			Three Hills.....	42°	-39°	0.1		
Ranfurly.....	39°	-44°	0.3			Springdale.....	46°	-42°	0.5		
Viking.....	42°	-47°	0.3			Strathmore.....	44°	-28°	0.2		
Telfordville.....	..	..	0.9			Hillsdown.....	47°	-33°	0.3		
Wetaskiwin.....	45°	-41°	0.4			Vulcan.....	..	..	0.6		
Coronation.....	45°	-42°	1.0			<i>Mountain Valleys</i>					
Wabamun.....	..	..	0.9			Exshaw.....	45°	-26°	0.9		
Meanook.....	42°	-36°	0.7			Rocky Mountain	..	..	..		
Athabaska.....	40°	-37°	1.8			House	46°	-49°	0.1		
Sedgewick.....	42°	-41°	0.4			Waterton Park....	..	..	2.3		
Pemukan.....	..	..	0.4			Beaver Mines.....	..	..	0.9		
<i>Southern</i>						Lake Louise.....	32°	-46°	2.2		
Calgary.....	48°	-27°	0.4	107		Banff.....	38°	-28°	1.1		
Medicine Hat.....	..	..	0.6	92		Entrance.....	49°	-41°	0.4		
						Pekisko.....	46°	-36°	1.1		
						Cowley.....	..	..	1.2		

SASKATCHEWAN

<i>Northern and Eastern</i>						Qu'Appelle.....	40°	-33°	0.6	98	2
Battleford.....	39°	-49°	1.6	24		Regina.....	39°	-31°	1.5		
Prince Albert.....	40°	-41°	0.5	10		Indian Head.....	40°	-30°	0.4		
Scott.....	35°	-47°	1.6	61	8	Ft. Qu'Appelle....	42°	-34°	0.7	4	
Rosthern.....	35°	-38°	0.5			Maple Creek.....	45°	-30°	0.4		
Saskatoon.....	36°	-40°	0.6	9		Midale.....	40°	-32°	1.3		
Lestock.....	37°	-35°	1.2			Caron.....	41°	-34°	1.1		
Waseca.....	40°	-45°	0.8			Pennant.....	40°	-37°	1.0		
St. Walburg.....	37°	-50°	0.8			Gravelbourg.....	41°	-32°	1.6		
Nokomis.....	40°	-35°	0.9	10		Leader.....	38°	-38°	0.3	8	
Lintlaw.....	33°	-36°	0.6			Outlook.....	45°	-35°	0.5		
Nipawin.....	40°	-35°	0.3			Yellow Grass.....	33°	-36°	0.6		
Turtleford.....	37°	-48°	1.2	30		Carlyle.....	40°	-33°	1.3		
Prince.....	35°	-49°	1.4	20		Aneroid.....	45°	-30°	0.2		
Kamsack.....	35°	-45°	0.2			Hubbard.....	37°	-36°	1.0		
Maskakee Springs.	35°	-44°	0.8			Whitewood.....	39°	-30°	0.7		
Muenster.....	35°	-43°	0.2			Davidson.....	40°	-31°	0.5		
Prongue.....	..	..	0.8			Dundurn.....	37°	-38°	0.6		
Stronfield.....	..	..	0.2			Chaplin.....	42°	-33°	0.2		
Harris.....	36°	-38°	1.6			Francis.....	39°	-29°	0.7		
Biggar.....	37°	-35°	..			Grenfell.....	41°	-31°	0.7		
<i>Southern and Central</i>						Vidora.....	42°	-27°	..		
Swift Current.....	42°	-34°	0.9	97	4	Lumsden.....	42°	-33°	..		
Moose Jaw.....	43°	-32°	0.5	90		Shaunavon.....	42°	-27°	..		
						Gull Lake.....	..	..	0.5		
						Rosetown.....	..	..	0.8		
						Surprise.....	..	..	0.8		

MANITOBA

The Pas.....	37°	-31°	0.4			Morris.....	34°	-26°	0.2		8
Minnedosa.....	35°	-39°	1.4	8		Birtle.....	36°	-35°	0.8		10
Winnipeg.....	35°	-29°	1.3	112		St. Albans.....	40°	-37°	1.7		10
Morden.....	38°	-25°	1.3	114		(Treesbank)	..	..	..		
Russell.....	37°	-39°	..			Sprague.....	36°	-35°	0.4		
Treherne.....	39°	-30°	1.4	14		Warren.....	31°	-33°	0.6		
Brandon.....	37°	-36°	1.3	126	8	Pinawa.....	37°	-34°	1.0		
Dauphin.....	41°	-26°	..	12		Great Falls.....	37°	-29°	..		
Waskada.....	39°	-35°	1.3			Ninette.....	45°	-33°	1.2	8	
Hamiota.....	35°	-37°	..	6							

ONTARIO

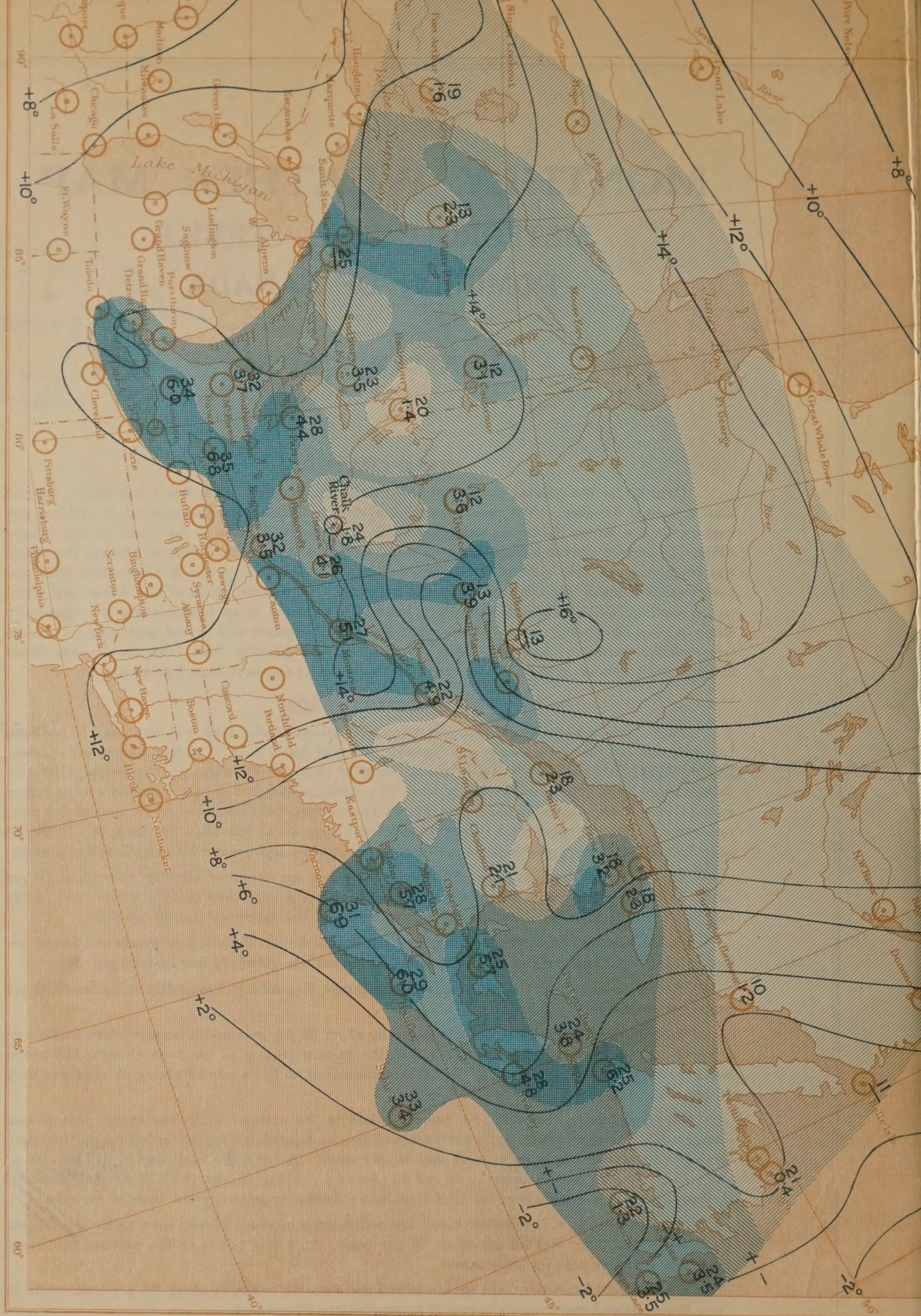
STATION	H	L	P	I	Sg	STATION	H	L	P	I	Sg
Atikokan.....	33°	-32°	1.6		10	Barrie.....	52°	6°	3.6	26	3
Mine Centre.....	36°	-31°	1.4			Walkerton.....	53°	15°	4.3		4
Ignace.....	38°	-35°	4.0			Mount Forest.....	53°	10°	1.9		3
Kenora.....	38°	-33°	1.8			Brucefield.....	55°	9°	3.3		1
Sioux Lookout.....	38°	-28°	0.6		5	Stratford.....	57°	7°	5.2		1
Port Arthur.....	42°	-16°	1.5		10	London.....	58°	5°	6.0		T
Quorn.....	38°	-31°	1.8		30	Woodstock.....	57°	6°	3.4	46	1
White River.....	41°	-23°	2.3		10	Paris.....	58°	9°	6.1		2
Schreiber.....	40°	-17°	3.2		12	Alton.....	54°	5°	4.3		1
Chapleau.....	43°	-30°	2.5			Harrow.....	59°	13°	1.8	66	
Ruel.....			2.0		10	Simcoe.....	60°	8°	5.2		0
Cochrane.....	43°	-31°	3.1	57	8	Toronto.....	56°	14°	6.8	46	T
Haileybury.....	48°	-12°	1.4	69	6	Beeton.....	54°	5°	3.8		1
Heaslip.....	45°	-25°	1.5			Bloomfield.....	55°	-3°	5.4		0
Kapuskasing.....	45°	-39°	3.0	75		Queensboro'.....	52°	-5°	5.1		0
Algonquin Park.....	49°	-18°	2.6			Peterboro'.....	56°	1°	4.1		1
Madawaska.....	54°	-6°	3.2			Kingston.....	53°	4°	3.5	54	T
Montreal River.....	45°	-20°	2.2			Brockville.....	55°	0°	4.2		0
Crystal Falls.....	48°	-14°	4.2		6	Morrisburg.....	57°	-1°	5.8		0
Providence Bay.....	48°	5°	3.3			Ottawa.....	54°	-4°	4.1		3
Parry Sound.....	50°	-2°	4.4		7	Ottawa (Exp. Farm).....	53°	-6°	3.3	47	3
Scotia Junction.....	48°	-11°	4.0		12	Renfrew.....	48°	-12°	3.2		
Walker's Point.....	50°	1°	4.8	45	10	Pembroke.....	53°	-9°	2.0		2
Beatrice.....	49°	-4°	4.9		12	Clontarf.....	53°	-13°	3.3		3

QUEBEC

Cedars.....	52°	-2°	3.1		T	La Malbaie.....	43°	-10°	2.5		
Macdonald College.....	50°	1°	4.9		T	Gaspé.....	47°	-9°	1.0		
Montréal.....	53°	0°	5.1	60	2	Roberval.....	50°	-22°	2.8	83	12
Farnham.....	56°	-13°	4.7	57	2	Albanel.....	43°	-23°	2.5		12
Brome.....	56°	-13°	5.3		8	Manouan.....	48°	-19°	3.6		
Nicolet.....	51°	-8°	4.1		5	Lake Kempt.....	45°	-32°	3.6		
Sorel.....	50°	-7°	3.6		4	Chute à Murdock.....	45°	-27°	2.3		
Lennoxville.....	57°	-6°	4.6	51	7	Huberdeau.....	52°	-6°	4.8		8
Sherbrooke.....	55°	-3°	3.7	42	7	St. Lin					
Drummondville.....	56°	-4°	4.8		4	des Laurentides	50°	-7°	1.9		4
Beauceville.....	52°	-8°	2.1		8	Maniwaki.....	48°	-14°	4.4		4
Lake Mégantic.....	52°	-10°	1.2		8	St. Gabriel de					
Cap Rouge.....	47°	-4°	3.9	60	17	Brandon	...	...	4.7	67	7
Québec.....	47°	-4°	4.9	72	5	La Ferme.....	43°	-33°	2.6		
St. Joachim.....	45°	-5°	3.7		8	Ville Marie.....	46°	-12°	1.4		
Seven Falls.....	48°	-12°	4.2			Temiskaming.....	49°	-13°	4.1	61	
Ste. Anne de la						Sanmaur.....	47°	-26°	3.9		10
Pocatière	50°	-11°	1.9	79	6	Abitibi.....	41°	-26°	1.3		9

ATLANTIC PROVINCES

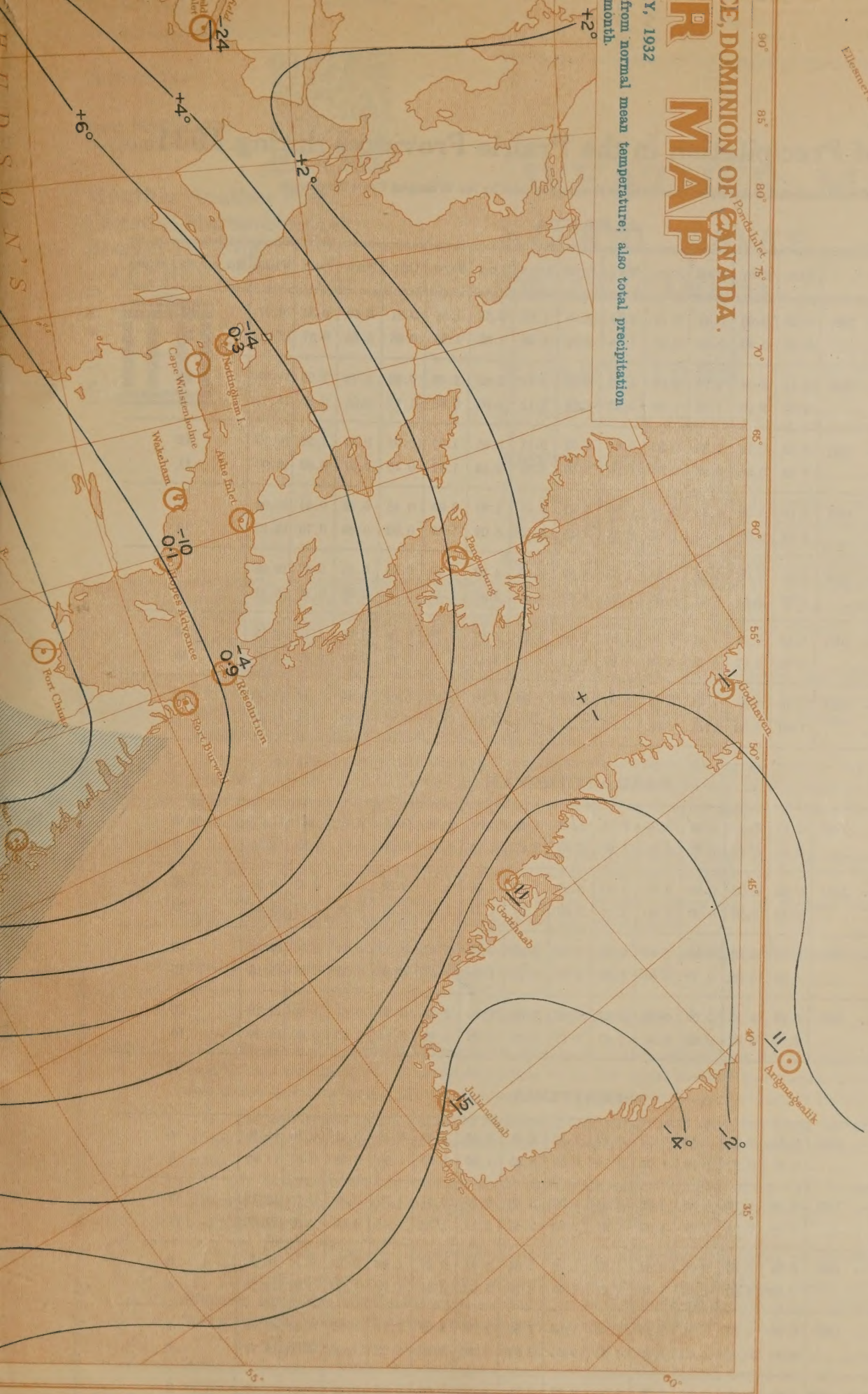
Saint John.....	55°	0°	5.7	103	T	Sussex.....	57°	-12°	4.6		3
Aroostook.....	53°	-11°	2.6		10	Woodstock.....	54°	-10°	2.5		6
Bathurst.....	51°	-10°	1.1		9	Halifax.....	57°	-3°	6.0		T
Chatham.....	52°	-15°	2.1		6	Digby.....	57°	-9°	5.7		
Edmundston.....	49°	-13°	1.4		14	Kentville.....	55°	-9°	3.9	78	T
Fredericton.....	54°	-8°	3.6	95	7	Liverpool.....	60°	-6°	7.6		0
Fredericton.....						Nappan.....	53°	-7°	3.3	96	
(Experimental Farm)	54°	-7°	4.1	93	7	Sydney.....	49°	12°	4.8		2
Gagetown.....	55°	-3°	3.7		6	Truro.....	52°	-13°	4.7		
Grand Falls.....	51°	-17°	4.6		12	Upper Stewiacke.....	54°	-15°	3.9		
Harvey.....	54°	-8°	3.7		12	Wolfville.....	56°	-3°	3.8	84	
Musquash.....	59°	-10°	7.1		1	Yarmouth.....	50°	8°	6.9		
McAdam.....	54°	-3°	5.5		9	Charlottetown.....	51°	2°	5.5		3
Rexton.....	54°	-7°	3.7		9	Charlottetown.....	49°	1°	5.7	80	
						(Experimental Farm)					



Ellesmere Island

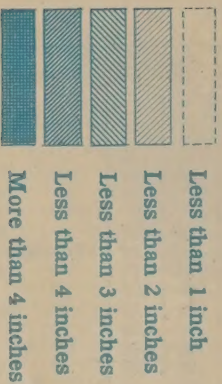
MAP OF THE DOMINION OF CANADA

Y, 1932
from normal mean temperature; also total precipitation
month.



REFERENCES.

The upper Figures give the mean Temperature.
The lower Figures give the precipitation in inches.
The Black lines shew the difference from the normal mean Temperature.
The shading shews approximately the precipitation of the month.



Summary of Precipitation in the Prairie Provinces during 1931

The Crop Districts are numbered according to the method used by the Winnipeg Grain Exchange.

ALBERTA

DISTRICTS	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	YEAR	NO. OF STATIONS
Crop Dist. 1, 3 and 5 — 1931	0.02	0.08	0.41	0.19	0.64	2.55	1.17	0.59	1.57	0.21	0.50	0.84	8.77	20
Normal	0.57	0.58	0.58	0.99	1.80	2.24	1.98	1.52	1.20	0.66	0.52	0.57	13.01	14
Crop Dist. 2, 4 and 6 — 1931	0.14	0.24	1.76	0.96	1.56	2.03	2.11	0.33	2.42	0.32	1.74	1.06	14.67	24
Normal	0.94	0.98	1.22	1.33	2.52	3.09	2.11	2.03	1.65	1.12	0.91	0.86	18.76	28
Crop Dist. 7 and 8 — 1931	0.02	0.12	1.26	0.23	0.87	5.61	2.11	5.61	1.37	0.53	0.44	1.02	19.19	12
Normal	0.73	0.52	0.67	0.80	1.93	3.60	2.82	2.44	1.47	0.75	0.57	0.60	16.90	11
Crop Dist. 9, 12 and 15— 1931	0.10	0.08	1.32	0.22	0.70	6.87	9.41	2.80	0.95	0.42	0.72	0.44	21.03	5
Normal	0.83	0.62	0.85	1.18	2.06	3.43	3.13	3.08	1.68	0.92	0.64	0.70	19.12	10
Crop Dist. 10 and 11 — 1931	0.04	0.02	1.11	0.31	1.48	5.39	2.85	4.53	0.70	0.90	0.85	0.87	19.05	5
Normal	0.87	0.65	0.71	0.85	1.93	3.67	3.38	2.47	1.45	0.67	0.68	0.78	18.11	7
Crop Dist. 13 and 14 — 1931	0.18	0.04	1.01	0.10	1.57	5.04	3.20	4.67	1.75	0.50	0.96	1.10	20.12	8
Normal	0.70	0.57	0.73	0.82	1.99	3.11	3.14	2.48	1.44	0.77	0.64	0.60	16.99	10
Crop Dist. 16 — 1931	0.44	0.01	1.45	0.19	1.70	3.76	1.50	1.36	1.55	0.36	0.98	1.48	11.78	13
Normal....	1.00	0.52	0.78	0.55	1.30	2.20	2.18	1.84	1.18	0.73	0.62	0.76	13.66	5

SASKATCHEWAN

Crop Dist. 1 and 2 — 1931	0.17	0.24	0.72	0.05	0.31	1.92	1.90	2.88	1.87	0.31	0.29	0.51	11.17	12
Normal	0.68	0.49	0.77	0.94	1.80	2.95	2.42	1.76	1.47	0.89	0.70	0.58	15.45	8
Crop Dist. 3 and 4 — 1931	0.08	0.02	0.66	0.26	0.53	2.29	1.99	1.30	1.71	0.22	0.45	0.33	10.34	19
Normal	0.73	0.58	0.69	0.90	1.77	2.85	1.97	1.41	1.35	0.87	0.53	0.61	14.26	12
Crop Dist. 5, 8 and 9 — 1931	0.52	0.23	0.83	0.27	0.55	2.37	2.36	2.26	2.42	0.58	0.94	0.86	14.19	28
Normal	0.68	0.52	0.73	0.67	1.65	2.74	2.75	1.94	1.42	0.85	0.63	0.57	15.15	15
Crop Dist. 6 and 7 — 1931	0.08	0.16	0.66	0.25	0.46	2.48	1.62	1.04	2.19	0.58	0.62	1.05	11.19	20
Normal	0.74	0.43	0.69	0.91	1.67	2.17	2.33	1.83	1.22	0.74	0.56	0.50	13.79	10

MANITOBA

Crop Dist. 1 and 7 — 1931	0.46	0.20	1.14	0.13	0.47	1.47	2.55	2.46	1.56	0.41	0.41	0.10	11.36	4
Normal	0.81	0.77	1.16	1.01	2.32	3.09	2.35	1.96	1.70	1.00	0.88	0.87	17.92	5
Crop Dist. 2, 8 and 9 — 1931	0.44	0.16	0.88	0.36	0.83	1.90	3.38	3.15	2.41	1.07	0.44	0.10	15.12	11
Normal	0.88	0.66	0.87	1.27	1.81	2.88	2.47	2.12	1.52	1.05	0.90	0.66	17.09	11
Crop Dist. 3 and 4 — 1931	0.58	0.26	0.96	0.54	1.37	1.12	2.84	2.51	3.23	1.98	0.73	0.17	16.29	6
Normal	0.86	0.80	1.18	1.45	2.21	2.98	2.70	2.04	2.34	1.22	1.09	0.92	19.79	4
Crop Dist. 5 and 6 — 1931	0.44	0.16	0.91	0.47	1.59	1.50	1.89	2.35	2.63	2.11	1.35	0.24	15.64	4
Normal....	0.95	0.92	1.05	1.27	1.71	2.93	2.87	2.22	2.49	1.23	1.18	0.90	19.72	4
Crop Dist. 10, 11, 13 and 14—1931	0.74	0.23	0.63	0.25	0.70	2.22	2.39	3.39	2.60	0.93	0.40	0.51	14.99	8
Normal	0.89	0.68	0.78	0.78	1.60	2.80	2.71	2.17	1.92	1.11	0.82	0.78	17.04	8